ALC: A PART OF STREET

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



I DENIK BUNADA NA BUNADA KARA BUNA BERKA BURA 18 KA BUNA BUNA BUNA BURAK KARA BULAH BUNA BUNA

(43) International Publication Date 30 September 2004 (30.09.2004)

PCT

(10) International Publication Number WO 2004/084231 A1

(51) International Patent Classification7: G11C 16/22, 7/24

(21) International Application Number:

PCT/IB2004/050269

(22) International Filing Date: 17 March 2004 (17.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03100715.6

19 March 2003 (19.03.2003) E

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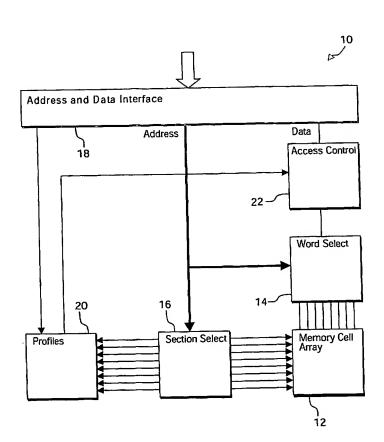
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: UNIVERSAL MEMORY DEVICE HAVING A PROFIL STORAGE UNIT



(57) Abstract: A universal memory device is presented that provides adaptability to existing hardware and software environments. The memory can "mimic" existing memory technology combining the advantages of integration all memory capacity in to one single technology and still providing the implicit protections and access characteristics known from the different existing memory technologies. The memory device comprises a memory having a plurality of low-latency, non-volatile memory cells rewritable, forming at least one memory section, a profile storage unit connected with said memory and comprising access information allocated to at least one set of request information elements (r: quest profile), such that said access information indicates whether a request for access to said memory (access request), said access request having said request profile, is to be allowed or rejected, and an access control unit communicating with said profile storage unit and said memory, and adapted to allow or reject an incoming access request in dependence on the access information allocated to the request profile of the access request.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

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TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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